Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/28/2022 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122915	-2	4.59	122788	4.55
Blue	F	SSC	125000	123621	-2	4.90	124251	4.90
Blue	E	FITC	13602	13107	-4	4.80	365	13.95
Blue	D	PE	24891	24362	-3	4.66	578	11.40
Blue	B	PerCP-Cy5-5	33972	32620	-4	5.23	930	15.53
Blue	A	PE-Cy7	22865	22576	-2	7.31	469	31.74
Red	C	APC	47198	46494	-2	4.10	1610	11.96
Red	A	APC-Cy7	26454	25516	-4	4.83	719	13.13
Violet	B	V450	6737	6282	-7	6.28 (1)	438	12.22
Violet	A	V500	29317	27759	-6	6.05	946	9.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23651	5.38	535	0	N/A	N/A	Pass
Blue	F	SSC	54794	4.52	516	-5	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	2	0.0453	102	Pass
Blue	D	PE	111	39.92	489	3	0.4086	326	Pass
Blue	B	PerCP-Cy5-5	146	42.15	581	2	0.0198	81	Pass
Blue	A	PE-Cy7	77	79.62	627	6	0.0209	0	Pass
Red	C	APC	335	27.05	574	2	0.0283	261	Pass
Red	A	APC-Cy7	134	35.04	552	1	0.0060	1090	Pass
Violet	B	V450	75	47.59	458	8	0.0714	3057	Pass
Violet	A	V500	110	29.90	478	9	0.0255	531	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.64	-31.31	0.93
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.50	13.90 - 20.86	N/A	N/A	29.78	30.06	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 10552

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments